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FRAME RECONSTRUCTION FOR VIDEO DATA COMPRESSION

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ABSTRACT TO THE DISCLOSURE

The frame reconstruction (FR) portion of an MPEG decompression circuit includes a horizontal interpolation element, a vertical interpolation element, and a selector (post processing) element. The
10 horizontal and vertical interpolation elements are each digital filters averaging respectively two horizontal and two vertical adjacent pixels in an MPEG pixel block. Logic is included for constructing B, I, and P-type MPEG pictures. Also included is an error/warning
15 handling mechanism.